M. A. R. 57 (Rule 116) **No. E** 535801

Measurement Book

Serial No. 3rd and final Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Sri. G. Venkatesh Contractor.

Date of commencement of work..... D.o. Recording :- 15.06.2020

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Package no. 2, Includes- 5 Works of Rs. 245.00 Lakh; Imp. to Roads at Sreenivasapalya Church to Defence Layout and Dynasty Layout in W.no. 06, BTP. Sub-Divn. 2. Imp to Asphalting to Roads at Balaji Layout Near Railway gate in W.no. 06. BTP. Sub-Divn. 3 Imp. to Asphalting to Roads at Vidyasagar Layout and Surrounding area in Ward 06, BTP. Sub-Division. 4. Imp to Asphalting to Roads at Bharathnagar Saw Mill Road						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		in Ward No. 06, Byp Sub Division. 5. Improve drains and Asphalting Roads in Shivaji Sai Nagar, and Hegde Nagar in Ward No. 06, Byp Sub-Div.					
	Estimated cost : Rs	245	Lakh.				
	Item code : R.	006-18-000058, 006-18-000060, 006-18-000061 006-18-000062 and 006-18-000063.					
	Work order No :	BBMP/EE/BTP/40/70/2018-19 Dt: 25.06.2018					
	Date of Completion :	15.06.2020					
①	Earth work Excavation by manual means in ordinary soil, involving an average horizontal throw upto 2m and an average lift upto 1.500m, Excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specification.						
	(a) qty upto 125%	= qty vide E.Bill. No (1) P.No				(1) = 1397 sqm @ 190.50/sqm	2662.00
	(b) qty above 125%	= qty vide E.Bill. No (1) P.No				(1) 50.70 sqm @ 96.46/sqm	4891.00

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535302

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	soil, involving an average horizontal throw upto 2m and an average lift upto 1.500m, Excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specification.						
	(a) qty upto 125%	= qty vide E.Bill. No (1) P.No				(1) = 1397 sqm @ 190.50/sqm	2662.00
	(b) qty above 125%	= qty vide E.Bill. No (1) P.No				(1) 50.70 sqm @ 96.46/sqm	4891.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Providing granite slabs of detected quality Roughly dressed having a size of 7.50 cms thick and fixed in CM 1:6 in- cluding fixing cursing complete.						
		qty vide	E. Bill	p.no.	① & ②		
		Present qty :	Nil	-	-		-
3)	Earthworks for Road works in soil with hydraulic Excavator of 0.90 yd^3 bucket capacity including cutting and loading in tippers, trimming bottom and sides of slopes, in roadway						

M. A. R. 57 (Rule 116) **No. E** 535803

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With requirements of lines, grades and cross-sections, and transporting to Embankment locations and compacting as per specifications and as per the directions of the Engineer-in-charge of the work.						
		qty vide	E. Bill	p.no. (1)	& ③		
		= 274.784 m^3 @	148.00	$/m^3$	R.		40667.30
5)	Providing, laying, spreading, and compacting graded stone						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregates to wet mix macadam specifications, including premixing the material with water at OMC in mechanical mix plant, Conveyance of mixed material by tippers to site laying in uniform layers with pavers in Sub-base/ base course on well prepared surface and Compacting with vibratory Roller to achieve the desired density Complete as per specifications						
			qty vide				
			P.no (2)	=	352.56 m³		
					@ 198/m³		
							~~6980 69.00~~ ↓
							698069.00
5)	Providing and applying	primer	Coat	with	S.S. Bitumen		

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M. A. R. 57 (Rule 116) **No. E** 535804

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Emulsion on prepared WBM/ WMM including primer at the rate of 0.60 kg/m² complete as per specifications and directions of Engineer-in-charge of work.	surface of granular base such as cleaning of Road surface and spraying using mechanical means					
		as per M.B. vide p. no. (2) to (5)					
		= 3301.134 m² @ 30.75/m²					101510.00

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M. A. R. 57 (Rule 116) **No. E** 535805

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2.50 kg/10 m², heating bitumen in boiler & lifted with spray set (excluding cleaning of Roof surface) including cost of all materials, labour, hire of machinery, complete as per specifications and as per the directions of Engineer-in-charge of the work.						
		qty vide	E. Bill.	Item no.	(7)		
		P.W. (2) =	7131.52	m² @	13.00/m²		92710.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	Providing and laying bituminous Carpet 40mm Compacted thickness with VG-30 Bitumen grade using 40-60 HMP using crushed aggregate of grading II, premixed with bitumenous binder @ 6% of mix and hilly, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade level and alignment, Rolling with smooth wheeled vibrating Roller to achieve required density as per morth specifications etc complete.						
		Qty vide E.Bill. It no. (8) page (5) :				255.264 m³	22,63,538.00
		@ 7935/m³					

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535806

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	Providing and laying hot applied thermoplastic Compound 2.50 mm thick including reflectorising glass beads at 250 gm/m² area thickness of 2.50mm is exclusive of surface applied glass beads as per IRC-35, the finished surface to be level, uniform and free from streaks of hole complete as per specifications and as per the directions of Engineer-in-charge of work.						
		Qty vide E.Bill. It (9) p(3)					
		= 558.264 m² @ Cost/m² R					337,747.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Providing and constructing load bearing walls with solid concrete blocks of size - 400×200×200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength 4.0 N/mm2 Conforming to IS - 2185 (part) : 2005 and Constructed with cm(1:4) as per IS - 2572 - 2005 including cost of all materials, labour charges, dismantling curing complete as per specification.						
			qty as per Bill ## no (16)				
			## no (30)		—	nil —	
11)	providing and removing centering, shuttering, strutting						

M. A. R. 57 (Rule 116) **No. E**
Measurement Book

535807

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	propping etc for columns, pillars, post and struts square/ rectangular/ polygon in plan including cost of all materials, labour complete as per specifications and as per the direction of the Engineer-in-charge of the work.						
			qty vide E-Bill.		## no.	(11) p.(3)	
			present qty - nil -				
12)	Providing and laying in position readymixed cement concrete						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of design mix M 30 with OPC cement @ 320 kg/m³ with 20mm and down size graded granite metal Coarse aggregate @ 960 kg/m³ fine aggregate @ 960 kg/m³ with super plasticizer @ 1% by weight of cement - Ref IS - 9103 - 1999 recommended - 2002, Machine mixed, Concrete laid in layers not exceeding 150mm thick vibrated for all RCC work including forms, for footings, pedestal, retaining walls, retaining walls, (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, bed blocks, anchor blocks, and plinth etc including costing all materials, labour, Hoisting machinery, curing complete but excluding costing reinforcement as per specifications,						

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535308

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty	vide - R. Bill. present qty.		If any (12)	p.no. (1) N.I —	—
13)	Providing mtg. steel reinforcements cutting, bending, hooking, placing in position (lapping or welding wherever required duly tying bindy wire and anchoring in the adjoining members, wherever necessary complete as per design	for RCC	work		including straightening		
		Qty	vide	R. Bill.	If no. (13)		

p.no. (1) : present qty - N.I -

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14)	Providy and laying in position plain cement Concrete of mix 1:3:6 With one cement 22olbs With 40mm and down size graded granite metal Coarse aggregate 0.465 y^3, machine mixed Concrete laid in layers not exceedy 15cms thick well Compacted in fund^, including costs of all materials labour, Hiring of machinery Complete as per specifications.						
		Qty - side p.no.		E.Bill. No. (14)			
	Qty - above 12sf			24.47 y^3	@ 5936.11	/43	145,257.00

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M. A. R. 57 (Rule 116) No. E

Measurement Book

535809

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15)	Cement concrete pavement : Construction of un-reinforced plain cement concrete pavement thickness as per design, over a prepared sub-base with opc cement or any other type as per clause 1051.22 design mix M.20/M.30 with 25 mm nom down size graded granite metal coarse aggregates and fine aggregates with super plasticisers @ 3l/m³ conforming to IS 9103: 1999 - Re-affirmed 2008, mixed in a concrete mixer of not less than 0.6m³ batch capacity, and appropriate weigh batches as per approved mix design by the approved agency all lead						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	spreading the concrete with shovels, rakers, compacted using needle, screed and plate vibrator and finished in a continuous operation, including provision of contraction, expansion etc complete as per specification.						
	qty vide - E. Bill - II and. (15)						
	pad -	2	24.864	@ 6059.75/yd		151,251.00	
16)	vacuum de-watering with vacuum pump and ducting mat and compaction with skim floats & clubbed with floating disc including suction generator, towing machinery screed vibrating plate, floats, blades and discs						

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M. A. R. 57 (Rule 116) No. E

Measurement Book

535810

No. .....

of work ..... From ..... To .....

of Contractor of nature of Agency.....

f commencement of work.....

Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
2	3	4	5	6	7	8
With all lead and lift						
		Qty vide - E. Bill-		II no. (15)		
		P no =	166.40 y^2 @	166.25/y^2		Rs 17680.00
FIRL-1						
Construction of Embankment with material gravel/murrum KSRRB-M.300-53, Cost of Embankment with approved material gravel/murrum with all leads and lift, transporting to site spreading, grading to Required slope and Compacting						

For G.VENKATESH

Proprietor

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per requirement table - 300 - 2 Complete as per specifications Month specification - no - 305						
			qty - vide -	E. Bill - No.			
			P.no	=	- Nil -		—
						Total Rs	38,89,992.-
	Certificate (1) Certified that the work done satisfactorily. (2) there is no dept material issued by DDMP (3) All the debries have been cleared during the work part.						

CPFC

15/6/2020

Certificate

For G.VENKATESH

Proprietor

15-06-2020

15/6/2020

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